



Date: September 4, 2018

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Marvin G. Williams, Director of Public Works
Subject: Utility Construction Agreement for U-5745 Hope Valley Rd. Roundabout (NC751) at University Dr. (SR1183)

Executive Summary

The North Carolina Department of Transportation (NCDOT) has prepared and adopted plans to construct a Roundabout at the intersection of Hope Valley Road and University Drive under Project U-5745. See Attachment B for a map of the project. The project will require the relocation of existing City of Durham sanitary sewer and water utilities that are within the project boundaries and that are the City's financial responsibility for the cost of relocation. The relocation work will be performed by the contractor for NCDOT. The City will reimburse NCDOT for the cost of the utility relocation work. The cost responsibilities for this work are defined in the Utility Construction Agreement (Attachment A).

Recommendation

The Administration recommends that the City Council authorize the City Manager to execute a Utility Construction Agreement with NCDOT for the relocation of water and sewer utilities associated with construction of the roundabout at the intersection of Hope Valley Road and University Drive under Project U-5745 in the amount of \$353,400.00; authorize the expenditure of \$88,350.00 from the Sewer Extensions and Improvements Account; authorize the expenditure of \$265,050.00 from the Water Extensions and Improvements Account; establish a contingency fund in the amount of \$35,340.00 (10%); and authorize the City Manager to execute any change orders to the contract such that the total contract does not exceed \$388,740.00.

Background

NCDOT proposes to make safety improvements at the intersection of Hope Valley Road and University Drive. Improvements will include the construction of a roundabout to improve traffic operations. The project will require the relocation of existing City of Durham sanitary sewer and water utilities that are within the project boundaries. The relocation work will be performed by the contractor for NCDOT. This work will occur in the spring of 2019.

The City is beginning a sidewalk project on University Drive in the spring of 2019, and the construction of that project will abut the NCDOT Roundabout. NCDOT will be responsible for installation of sidewalk in the area of the roundabout. At the completion of both projects there will be continuous sidewalk on the south side of University Drive from Old Chapel Hill Road to West Cornwallis Road.

Issues/Analysis

Project U-5745 will require the relocation and adjustment of City utilities located within NCDOT right of way. The related costs, terms and conditions for the utility relocation are covered in

the NCDOT Utility Construction Agreement.

Alternatives

The Council can choose to not authorize the Manager to approve the Utility Construction Agreement in which case the proposed NCDOT project will be delayed until City forces can relocate the utilities.

Financial Impact

The cost to reimburse NCDOT for the water and sewer utility relocations is \$388,740.00 for U-5745. There are currently funds available for this agreement in the CIP Water and Sewer Extensions & Improvements accounts.

CIP Sewer E&I Fund (Const.):	4100P002-731000-P2670	\$88,350.00
CIP Water E&I Fund (Const.):	4100P002-731000-P0AC5	\$265,050.00
CIP Water E&I Fund (Contingency):	4100P002-731900-P0AC5	<u>\$35,340.00</u>
	Total:	\$388,740.00

UBE Requirements

This section does not apply as NCDOT Utility Construction Agreements require that NCDOT contracting procedures are followed.

Attachments

- Attachment A, Utility Construction Agreement
- Attachment B, Map of project